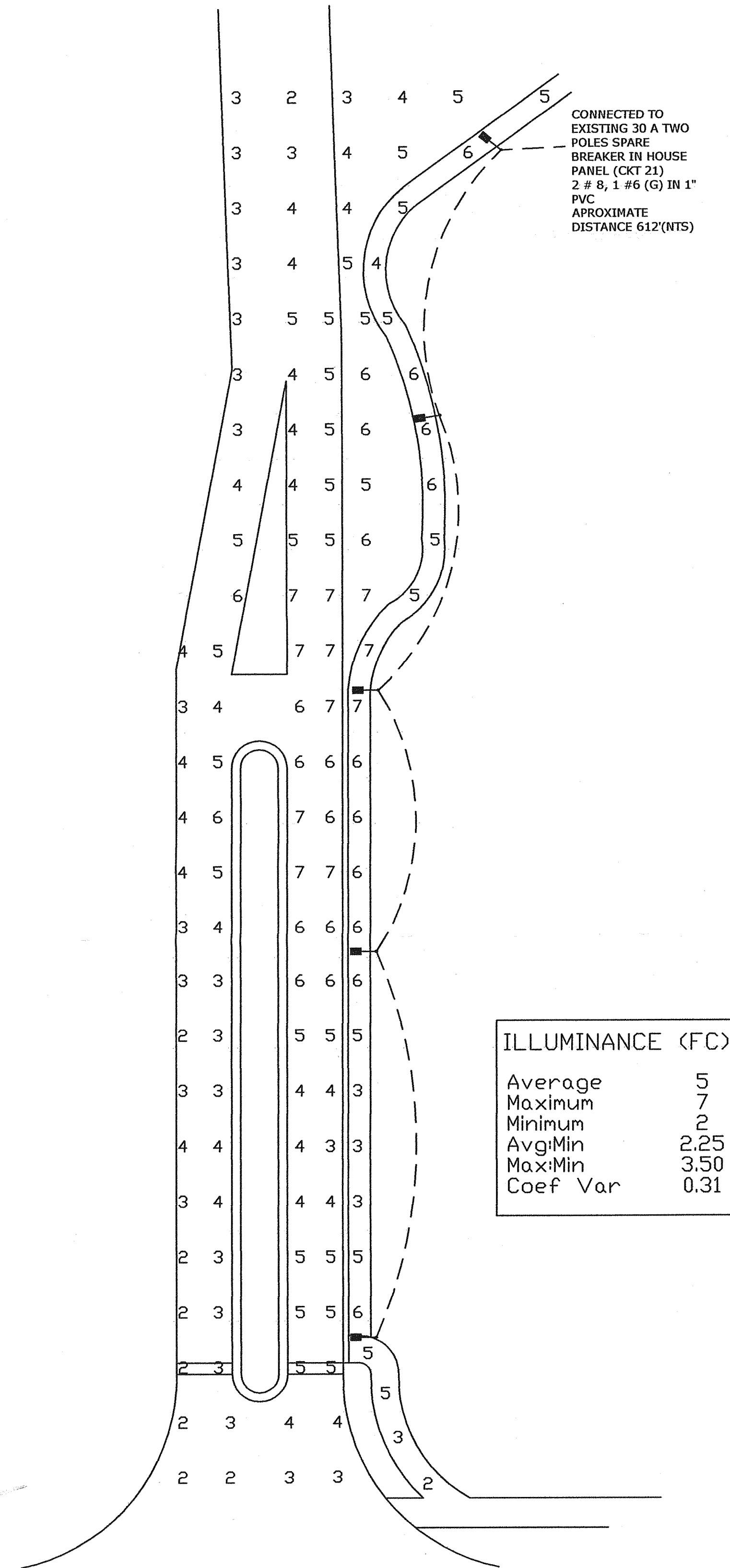


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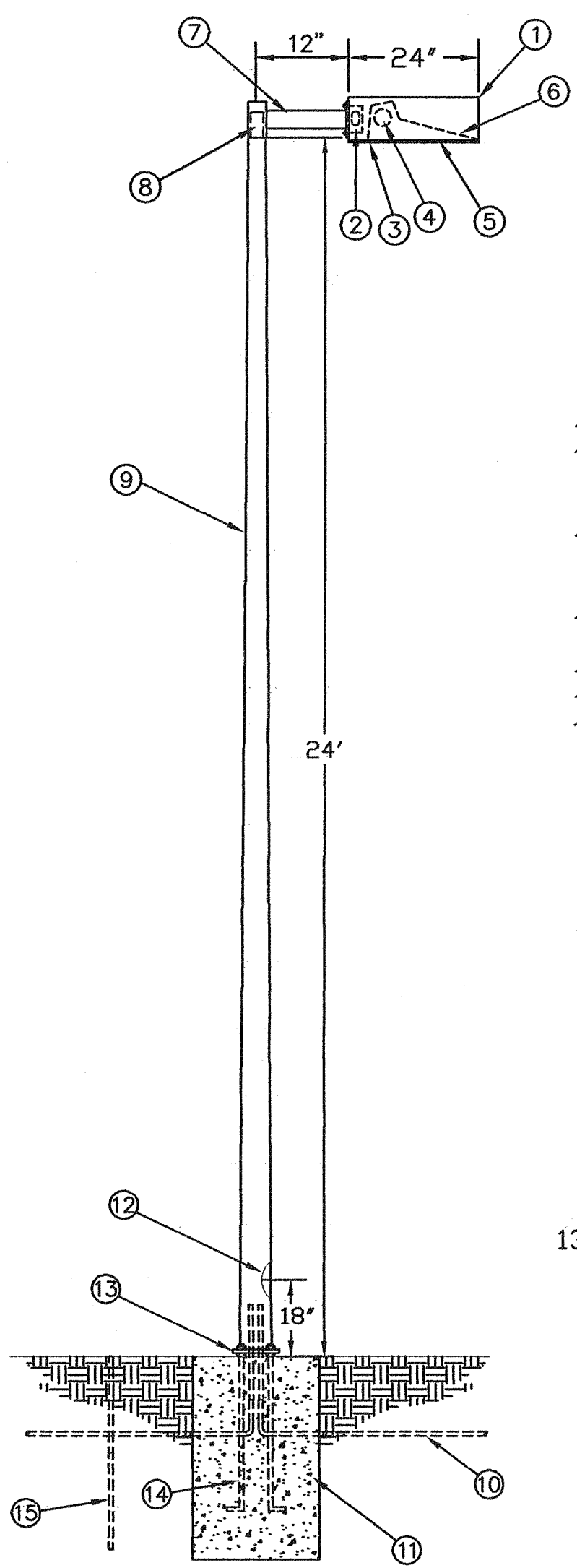


CONNECTED TO EXISTING 30 AMP TWO POLE SPARE BREAKER IN HOUSE PANEL (CKT 21) 2 # 8, 1 # 6 (G) IN 1" PVC APPROXIMATE DISTANCE 612'(NTS)

ILLUMINANCE (FC)	
Average	5
Maximum	7
Minimum	2
Avg:Min	2.25
Max:Min	3.50
Coef Var	0.31

STRUCTURAL SUPPORT FOR SINGLE RLS-DA-400MH-IV LUMINAIRE

EACH LUMINAIRE: 1.42 EPA/34 LBS.
90° SINGLE BRACKET: .33 EPA/9 LBS.
TOTAL EPA: 1.75/ TOTAL WEIGHT: 43 LBS.



ANCHOR BASE

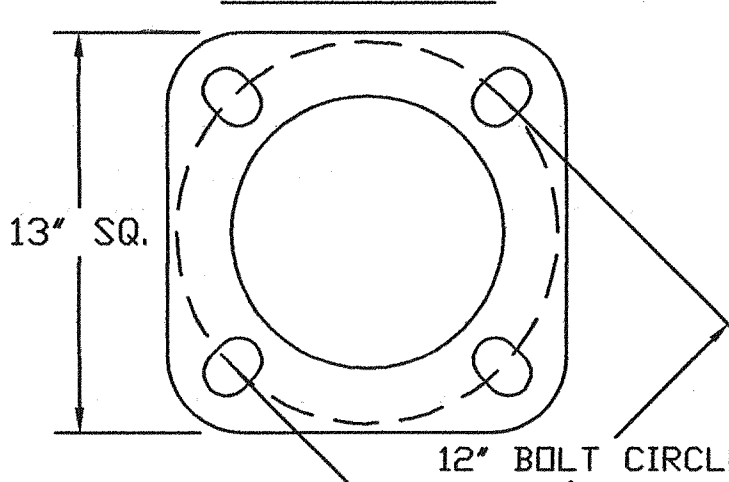
SPECIFICATIONS

1. EXTRUDED ALUMINUM HOUSING (24" x 16" x 11").
2. 400 H.P.F. CWA BALLAST W/CAPACITOR ATTACHED TO HOUSING.
3. EXTRUDED ALUMINUM DOOR FRAME.
4. 400 WATT METAL HALIDE LAMP.
5. CLEAR-TEMPERED, IMPACT RESISTANT GLASS.
6. DIE-FORMED SPECULAR ALUMINUM REFLECTOR.
7. 50 K.S.I. DAVIT ARM.
8. TENON, SLIP-FIT MOUNT (3-1/2" x 6").
9. 24" ROUND TAPERED STEEL POLE (55 K.S.I./1196"/11 GA.). (5.64" TOP O.D./9.0" BOTTOM O.D.).
10. CONDUIT, SUPPLIED BY OTHERS.
- 11a. CONCRETE FOUNDATIONS, BASED ON LOCAL CODES AND SOIL CONDITIONS 2'-0" x 5'-9" W/ 7 #7 VERT. & 5 #3 TIES @ 10" O.C. MAX., f'c = 3,000 PSI)
- 11b. IF PRECAST FOUNDATIONS ARE USED, PLEASE REFER TO COMPACTION NOTE.
- PLEASE NOTE: LIFT POINTS BY FABRICATORS.
12. ELECTRICAL ACCESS HANDHOLE W/ WP COVER AS PER (N.E.C. 410-15).
13. BASE PLATE (SEE DETAIL).
14. ANCHOR BOLTS (4 REQUIRED 1"Ø Nom. x 36" x 4").
15. GROUND ROD 5/8" x 10' COPPER CLAD

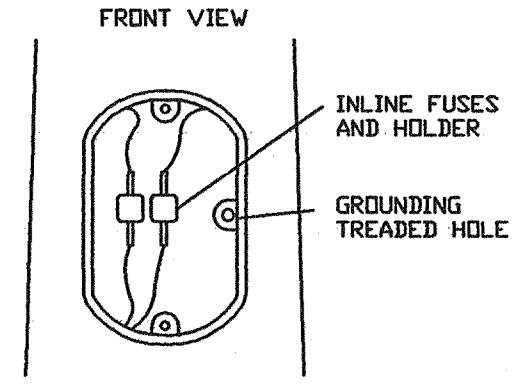
NOTES

1. LUMINAIRE, POLE AND HARDWARE ARE DESIGNED TO WITHSTAND WINDLOADS AS PER FLORIDA BUILDING CODE 2007/ASCE7-02.
2. FUSE EACH POLE AT ELECTRICAL HANDHOLE WITH BUSSMAN INLINE FUSE HOLDER OR EQUAL

BASEPLATE

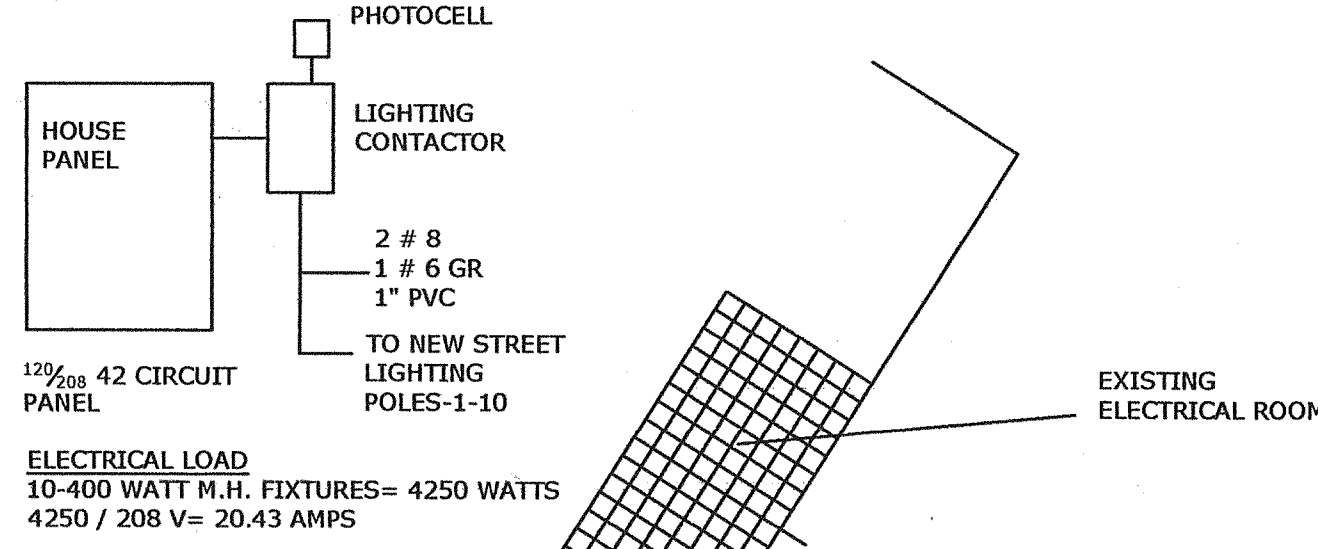


POLE HANDHOLE DETAIL

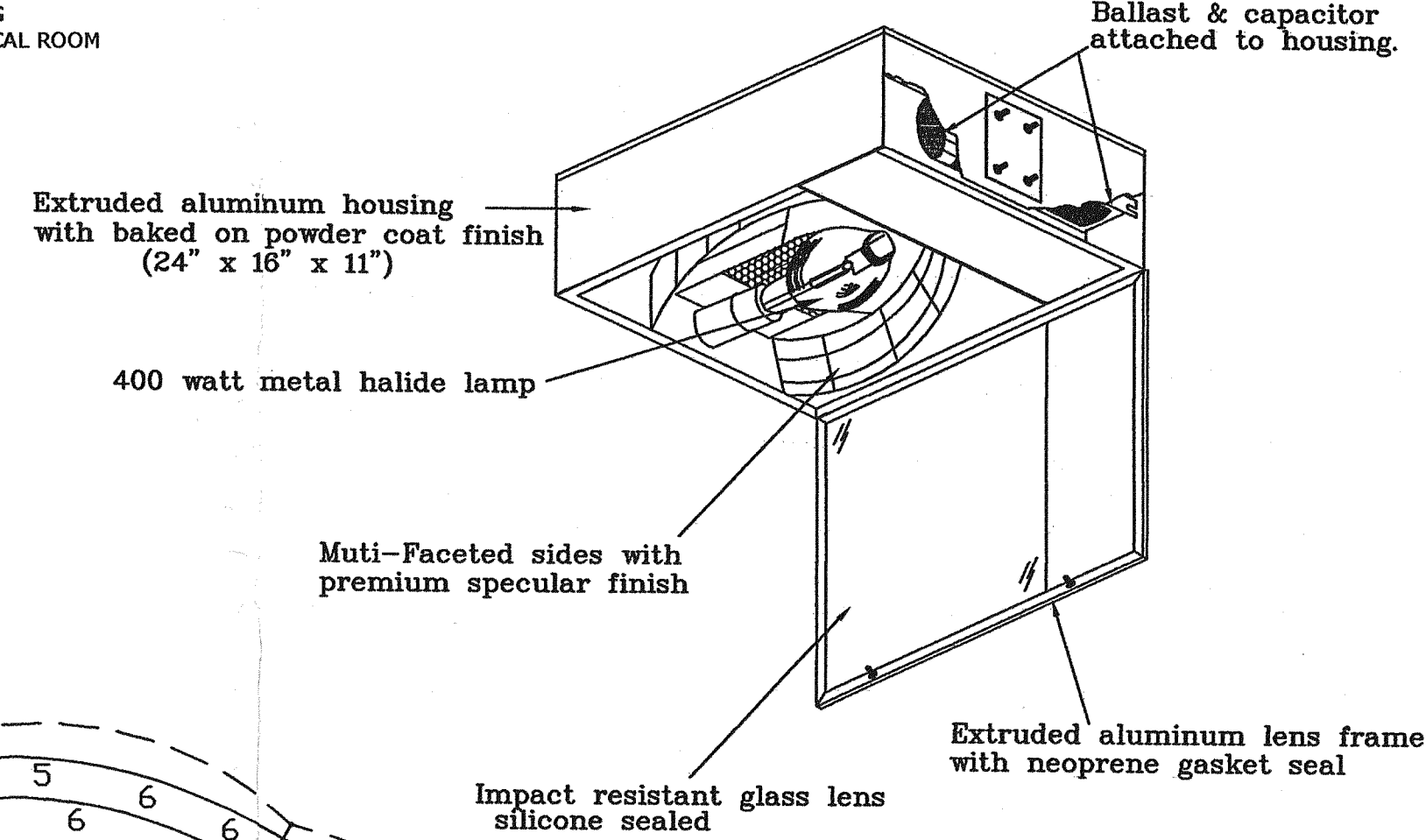


NOTES:

1. STRUCTURAL DESIGN ONLY
2. ATTACHED CALCULATIONS ARE PART OF THIS DRAWINGS.
3. SEE ADD'L. NOTES IN ATTACHED CALCULATIONS.



RLS-DA-400MH-IV PARKING & SECURITY FIXTURE
(ARL APPROVED #29156 AS PER UL #1572)



NOTES:

- 1- Round tapered steel pole, 24' high
- 2- Color to be selected by Arch/Owner
- 3- The wind load calculations for the base, pole & lighting fixture assembly to comply with 2007 Florida Building Code requirements.
- 4- Handhole to be 2" x 4" minimum and to have weatherproof gasketed cover and ground lug.
- 5- Contractor to verify exact location and elevation of underground piping and utilities with the local companies before beginning the trenching.

SCOPE OF WORK

"ELECT. CONTRACTOR" SHALL FURNISH SUPERVISION, LABOR, MATERIAL & EQUIPMENT TO PERFORM THE FOLLOWING SCOPE OF WORK IN STRICT ACCORDANCE WITH PLANS & SPECIFICATIONS. THE WORK INCLUDES, BUT IS NOT NECESSARILY LIMITED TO THE FOLLOWING:

-THE INSTALLATION OF 10 LUMINAIRES MOUNTED ON 24' HT POLES WITH CONCRETE ANCHOR BASES, UNDERGROUND CONDUIT, WIRING AND GROUNDING SYSTEM, CONNECT LIGHTING TO EXISTING 30 Amp TWO POLE SPARE BREAKER IN HOUSE PANEL AS INDICATED ON PLANS.

HAROLD COBB

STRUCTURAL ENGINEER

P.E. No.10993

	O.L. # No 127365 E.B. No 0001809	
	DAVIS ENGINEERS 780 TAMiami CANAL ROAD MIAMI, FLORIDA 33144 (305) 266-2566	
JOB No.	DATE	
2K9RL09	09-21-09	

	LIGHTING, INC. MANUFACTURERS OF QUALITY LIGHTING	

RLS LIGHTING, INC. 203 ANSIN BLVD. HALLANDALE, FL, 33009 P:954-458-0345 F: 954-458-0223	
SCALE: NTS	APPROVED BY:
DATE: 05-26-09	DRAWN BY: A.C.P.
DRAWING NAME: RLS-DA400 IV INSTALLATION	
COMMENTS: LAKES OF THE MEADOW 4450 SW 152 AVE MIAMI, FL, 33185	DRAWING NUMBER: PL219

COMPACTION NOTE:
SELECTED FILL MATERIAL SHALL BE CLEAN CRUSHED LIMESTONE (3" MAXIMUM PARTICLE) OR SAND. THE FILL PLACEMENT SHOULD OCCUR DRY AND COMPACTED TO A MINIMUM OF 95 PERCENT OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557) OR (AASHTO T-180). FOLLOW SOIL LAB RECOMMENDATION FOR THE METHODS AND PROCEDURES.